Whisper-quiet Mini PC platform with an Intel Atom dual-core processor D525

To put it in a nutshell, the Shuttle XS 3500BA V2 is an extremely slim and ergonomic Mini PC that works highly energy-efficiently. With a power consumption that is barely not worth mentioning, its noise nevel is close to zero. The XS 3500BA V2 has an Intel Atom D525 dual-core processor (2x 1.8 GHz) beating at its heart while also using integrated graphics. Because of its completely fanless case layout, it is virtually maintenance-free and noiseless. The 38mm thin system comes with 2GB DDR3 memory, a 160GB hard disk with Windows 7 Professional, WLAN (n) and a card reader. It sports an array of connectors too which include 5x USB, VGA, Gigabit LAN and audio ports.

XS 3500BA V2

Slim PC

PC System with Windows 7 Prof.

Fanless

Feature Highlights

Chassis	• Slim 1.5 litre chassis • Dimensions: 25.2 x 16.2 x 3.84 cm • Hole for the Kensington Lock • Optional: VESA75/100 mounting kit PV01
Operating system	• Windows 7 Professional, 32 bit • Available in 6 languages
CPU	• Intel ATOM 525 Dual Core (2x 1.8GHz)
Chipset	• Intel NM10 Express Chipset
Graphics	• Integrated Intel GMA3150 Graphics
Memory	• 2GB DDR3 SO-DIMM (204 Pins)
Storage	• 160GB hard disk, Serial ATA, 2.5“ format • 4-in-1 card reader
Connectors and WLAN	• D-Sub VGA • 5x USB 2.0 (1x front, 4x rear) • Microphone input • Headphones output (Line-out) • Gigabit-LAN • WLAN 802.11 b/g/n
Power supply	• External 40W fanless power supply
Applications	• Business, Basic Home Media

Images are only for illustration purposes.
Product name: **XS 3500BA V2**
Order number: **PET-XS352BA1**

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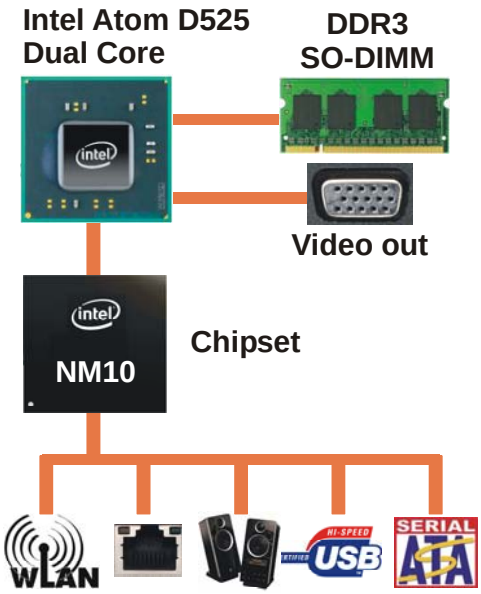
Shuttle Barebone XS 3500BA V2 - Product Features

Slim and stylish

Designed as a space-saver, this sleek 1.5 litre nettop PC only measures 3.8cm in width. It maximizes space whether it is placed upright using its stylish stand or affixed to the back of a display with the optional VESA mounting kit (PV01). Due to its small size and flexible design, this practical nettop offers exceptional functionality and is well-suited for home users, small offices, reception areas, classrooms, libraries, showrooms, call centres, public institutions and more.

Fanless and quiet

The Shuttle Barebone XS 3500BA V2 comes totally fanless making it perfect to be used in noise-sensitive environments such as living rooms, hospitals, libraries etc. As an additional benefit, fanless cases rarely gather dust on the inside and stay cleaner than others. So it's not only quiet and low in energy use, but also dust-free and virtually maintenance free.



The Atom processor integrates the graphics controller

Shuttle XS 3500BA V2 is equipped with Intels new Atom D525 processor (1,8GHz, codenamed Pineview). It comes with both the memory controller and graphics core on-die which helps to keep heat dissipation and memory latency low. The CPU is connected to the Southbridge NM10, codenamed Tiger Point.

Dual Core. Do more.

Shuttle always uses the dual-core variant of Intel's Atom processors and thus integrates the Atom D525. This boosts the system performance significantly with particular regards to multi-threaded applications.

Highly energy-saving

The XS 3500BA V2 barely consumes, depending on system load, about 16~20 Watts. Running the device*) 5 days a week for eight hours a day, the annual consumption would amount to less than 40kWh which would mean just 8 Euros on the power bill (20 Euro ct/kWh) - way less than a conventional desktop PC draws.
*) Based on a configuration with 2GB of memory, 160GB hard disk and Windows 7

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4-in-1 card reader

The built-in 4-in-1 card reader at the front side makes it easy to transfer files from your camera so you can share videos and photos on your XS 3500BA V2 with ease.

Kensington Lock

This is a small, metal-reinforced hole as part of an anti-theft system. As known from notebooks, this Mini-PC can also be safely locked by tieing it to a solid object.
(The lock-and-cable apparatus is not included.)

Tiny power adapter

The external 40W power adapter is virtually noiseless and can easily be hidden behind the desk thanks to its tiny dimensions.
Dimensions: 89.5 x 37 x 26.5 mm (LWH) = 88ml

Optional VESA mount (Accessory PV01)

Its optional VESA75/100 wallmount allows it to be installed on to walls or just affixed on the rear side of a monitor which is particularly interesting for the industry segment, company buildings and public institutions.

Note on operating position

Please make sure the system is always placed upright using either its stand or the optional VESA mount. Ventilation holes must not be blocked to ensure sufficient cooling.

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Shuttle Barebone XS 3500BA V2 Specifications

Fanless and silent	Passive cooling, no fan noise at all Perfect to be used in noise-sensitive environments Fanless, dust-free and thus virtually maintenance-free
Energy saving	Power consumption: ca. 16W (idle mode) and ca. 20W (full load)
Chassis	Dimensions without stand: 25.2 x 16.2 x 3.85 cm (DxHxW) = 1,57 litre Dimensions with stand: 25.2 x 18.5 x 10.04 cm (DxHxW) Weight: 1.8 kg net, 2.5 kg gross Hole for the Kensington Lock at the back panel Optional accessory: 75mm and 100mm VESA mounting kit (PV01) Warning: Please make sure the system is always placed upright using either its stand or the optional VESA mount. Ventilation holes must not be blocked to ensure sufficient cooling.
Operation System	Microsoft Windows 7 Professional, 32 bit version 6 languages available: German, English, French, Dutch, Italian, Spanish
Processor	Intel Dual-Core Atom processor D525 (Codename: Pineview-D) 45nm manufacturing process, FCBGA559 Intel Hyper-Threading technology: 2-threads per core Intel 64 architecture, Core clock: 2x 1.8GHz, L2 Cache: 1024kB , TDP: max. 13W Integrated North Bridge with controller for memory and graphics
Cooling	Passive, completely fanless cooling
Chipset	Intel® NM10 Express Chipset Platform Controller Hub (PCH), Code name: Tiger Point
BIOS	AMI BIOS in a 2Mbit Flash ROM supports PnP, ACPI 3.0 Supports external USB flash memory card boot up
Memory	2 GB DDR3 SO-DIMM memory (204 pins)
Hard disk drive	160 GB Serial ATA hard disk drive 6.35cm/2.5" format, 5400 rpm, 9.5mm height
Free bay	Support an optical DVD slim-line drive (not included) Serial ATA interface, 12.7mm height, Slimline SATA connector

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Integrated Graphics	The Graphics Processing Unit (GPU) is integrated into the processor Intel GMA 3150, 400MHz render clock frequency Intel Dynamic Vidieo Memory Technology 4.0 (DVMT 4.0) Share system memory max. 256MB Supports DirectX 9 and 2D/3D instruction set, Pixel Shader 2.0 MPEG2 hardware acceleration, Intel Clear Video / ProcAmp technology allows user adjustment of hue, saturation, brightness and contrast Analog VGA: supports up to 2048x1536, 60Hz resolution
Integrated Audio	IDT92HD81 Audio Codec with Azalia support Two analog audio connectors (3.5mm): 1) Line out (head phone), 2) microphone input
Card Reader	4-in-1 card reader at the front side Supports SDHC, SD, MS und MS-pro memory cards PCIe Interface
Wired Network	RJ45 connector supports Gigabit LAN at 10/100/1000 Mbit/sec. Supports Deep Sleep Mode (DSM)
Wireless Network	Supports IEEE 802.11b/g/n Half size Mini-PCIe-Card
Connectors	VGA Analog Video (D-Sub 15 pol., analog) 5x USB 2.0 (1x front, 4x rear) Gigabit Network (LAN, RJ45) Audio Line-out (head phone) Microphone input DC input for power adapter
LEDs and Buttons	Power button Power LED (white), Hard disk LED (blue)
Power supply	External 40W AC/DC power adapter (fanless) AC Input: 100~240V AC, 50~60Hz Dimensions: 89.5 x 37 x 26.5 mm (LWH)
Certificatio/ Compliance	EMI: CE, FCC, BSMI, C-Tick; Safety: CB, BSMI, ETL Other compliances: RoHS, Eup Lot6
Temerature	Operating temperature range: 0~35°C
Conformity	This device is classed as a technical information equipment (ITE) in class B and is intended for use in living room and office. The CE-mark approves the conformity by the EU-guidelines: - EMV-guideline 89/336/EWG electromagnetic tolerance - LVD-guideline 73/23/EWG use of electric devices within certain voltage-limits
Warranty	24 Months Pick-Up-And-Return Service

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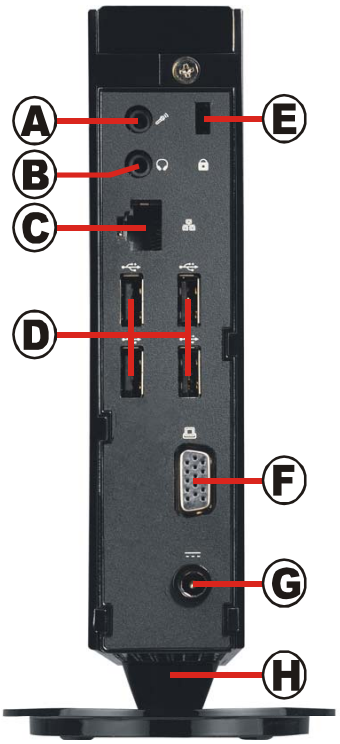
Shuttle Barebone XS 3500BA V2 – Connectors

Front Panel

1 4-in-1 card reader
2 USB connector
3 Power button with power and hard disk LED
4 Bay for optical slim drive *)
5 Stand

Back Panel



A Microphone input
B Head phone output (line out)
C Network connector (RJ45)
D 4x USB connectors
E Hole for the Kensington lock
F VGA connector
G Connector for power adapter
H Stand

*) Note: The optical drive is not included.

Warning:
Please make sure the system is always placed upright using either its stand or the optional VESA mount. Ventilation holes must not be blocked to ensure sufficient cooling.

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Images are only for illustration purposes. The optical drive is not included.

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